

## Johnson, James

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**From:** Schaefer, Joe  
**Sent:** Wednesday, April 02, 2014 10:03 AM  
**To:** Mahler, Tom; Kappelman, David  
**Cc:** Hooper, Charles A.; Nold, Eric; Johnson, James  
**Subject:** RE: Air monitoring Recon update

Tom,

I haven't had a chance to touch base with Dave yet, but based on what we know we should be able to VIPERize the Gamma Tracers/Genitron system.

Its going to require some programming effort on our part to extract the data from the Genitron database and transform it into a VIPER format, are we still looking at a start date 2 weeks out?

Joe Schaefer  
US EPA/Environmental Response Team  
(732) 906-6920 (office)  
(609) 865-8111 (cell)

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**From:** Mahler, Tom  
**Sent:** Tuesday, April 1, 2014 2:46 PM  
**To:** Kappelman, David; Schaefer, Joe  
**Cc:** Hooper, Charles A.; Nold, Eric; Johnson, James  
**Subject:** RE: Air monitoring Recon update

Hi Dave,

I just wanted to check in with you on the possibility of Region 7 borrowing some of the Gamma Tracers. We have decided on 5 locations and we are currently working on getting access agreements at these locations. Have you been able to get the official word on whether these instruments would be available?

Also, we are planning to utilize VIPER to collect and display some of our other real time air monitoring data. Have you and Joe come up with a strategy on how to get the data from the Gamma Tracer system into VIPER? Let me know what you think.

Feel free to give me a call anytime this week. It looks like we are being directed to get some of these plans in place as soon as possible.

Thanks again,

Tom Mahler  
On-Scene Coordinator  
EPA Region 7  
913-551-7416

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**From:** Kappelman, David  
**Sent:** Wednesday, March 26, 2014 10:23 AM  
**To:** Nold, Eric; Schaefer, Joe; Hooper, Charles A.; Mahler, Tom  
**Subject:** RE: Air monitoring Recon update



Here is the information on the ShortLINK system and the GammaTracer Probes that I located while on travel. I think this "system" will fit your long term gamma exposure rate monitoring needs. I will talk with Harry today, to see if we can "dedicate" this equipment to St. Louis site for a year.

David Kappelman  
USEPA Environmental Response Team  
cell 513-240-6840

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**From:** Nold, Eric  
**Sent:** Wednesday, March 26, 2014 9:07 AM  
**To:** Schaefer, Joe; Kappelman, David; Hooper, Charles A.; Mahler, Tom  
**Subject:** FW: Air monitoring Reconn update

Don't know if this will be useful info for the call this morning but here is what the state's monitoring system is right now at the site

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**From:** Larson, Kevin  
**Sent:** Tuesday, March 25, 2014 1:44 PM  
**To:** Nold, Eric; Johnson, James; Mahler, Tom  
**Subject:** Air monitoring Reconn update

I am still trying to make some additional contacts but here is a preliminary update:

Met with Adam Vrabec at the MDNR Monitoring trailer.

MDNR AreaRaes are monitoring for SO<sub>2</sub>, H<sub>2</sub>S, CO, VOC, LEL, O<sub>2</sub> and Gamma. Their alarms levels are as follows:

CO – 9ppm	
SO <sub>2</sub> – Day: 0.10 ppm	Night: 0.40 ppm
H <sub>2</sub> S – Day: 0.30 ppm	Night: 1.00 ppm
VOC – Day: 5.00 ppm	Night: 10.00 ppm
LEL – Day: 5%	Night: 10%
Gamma – 100 uR/Hour	
O <sub>2</sub> – 19.50%	

The AreaRaes are polled every 60 seconds. And they run one Summa sample per week. If there are hits they field screen with handheld instruments such as a UltraRae which reads in ppb.

Data downloads are done at 1300 hours on Mondays and Thursdays. Data is sent to MDNR in Jefferson City who then posts the data.

Alarms are sent out via text and e-mail to MDNR personnel on site.

They are not having to use repeaters for the AreaRaes.

New air monitoring locations.

Residential #1 - I did a walk thorough of the Spanish Village Park, the restroom facility does have electric power but was unable to enter it since it is locked up for winter. The roof of the restroom is sloped and may present an issue with our equipment being placed on the roof. See the attached pictures. I left a phone message for the Superintendent of Bridgeton Parks to discuss access.

Background #1 - I met with Matt Lavanchy at the Pattonville Fire Department, 13900 St. Charles Rock Road. He said there would be no problem placing our monitors on the roof of the building and they would supply electrical power.

Residential #3 - I met with Asst. Chief Maynard Howell about the Robertson Fire Department building at 3820 Taussig Road. The grass area outside of the building is a depression that is not suitable for an office trailer, see attached photos. But Chief Howell did say that the abandoned concrete road behind the fire station is theirs and we are more than welcome to use it for an office trailer as long we do not block the driveways. The Chief requested a proposal be e-mailed to him concerning the air monitoring equipment so it can be presented to the Board of Directors. I will take care of that later today.

Residential #2 – This location is also where MDNR has set up Units 8, 10 and 12. My suggestion is that we move Residential #2 to somewhere to the northwest of the Site. I will recon that area this afternoon.

Kevin Larson, PE  
On-Scene Coordinator  
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